



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.

Founded in 1931

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RARA ANNUAL AUCTION - 2018

TIM GUYOT, KB1POP, RARA PRESIDENT

One of our most popular events, the annual RARA Auction, is only a few days away on Wednesday November 7th. Each year I'm impressed by the variety of items, from a small box of toggle switches to contest-ready HF rigs, and everything remotely ham radio-related in between. Of course, I never go home empty-handed, and you shouldn't either.

Our entire meeting time will be dedicated to the auction; in fact, we'll be opening the doors early at 6:00 to let sellers bring in the treasures they're hoping to go home without. At 6:30 members not selling can begin perusing the items to see them up close before they hit the auction block starting around 7pm. If you are not selling any items, please DO NOT arrive before 6:30pm.



Speaking of the auction block, I'm excited to announce that our celebrity auctioneers Dick Goslee, KG2I and Ed Gable, K2MP will be back at it again using their incredible knowledge and a strong dose of humor to help sellers get top-dollar for their items. Whether it's a home-brew rig with no labels that they can fully explain after just a brief glance, or those "one-of-a-kind", "You'll never see another one like it" regen receivers that keep showing up each year, they've got it covered.



The auction is a members-only event (Members may bring one guest), so please renew your membership online if you haven't already. Our membership secretary, Tim Barrett, K9VB will be at the entrance checking membership, and helping members renew if they were unable to do so in advance.

Please join us and bring anything you have that's radio related that you don't need right now. It should be labeled with three important pieces of information:

- Your name & call
- A description (is it working?)
- Your desired starting price

Join in the fun! Even if you have nothing to sell, we can always use more bidders! The entertainment, the ad-hoc education, and the comradery make it a great way to spend an evening.

Procedural notes:

Sellers: Please bring a piece of cardboard to put under any item that could scratch the tables. Also, please note that the club will benefit by keeping 10% of the final sale price.

Buyers: Be aware that we can only accept cash.

Please join us on Wednesday November 7, 2018 at 7:00 PM in the Boy Scouts Building, 2320 Brighton-Henrietta Town Line Road, Brighton, NY 14623

RARA



K2JD

N2EH

W2EOC

BOARDZ BUZZ

SCOTT THEIS, W2LW RARA VICE PRESIDENT

In August of this year, Gary Skuse, KA1NJL, held a presentation and discussion about the future of RARA, seeking input from membership. One theme that ran through the meeting is the desire for a club station. Not just a remote station but a physical club station. The question is: how do we satisfy this goal within the means of the club? To do this right, it requires a well-thought-out approach and methodology.

We see this as a six-step approach:

1. Establish a subcommittee to develop station requirements, metrics and plan.
2. The Board approves or rejects the Subcommittee Plan. If rejected, it will be either because a station is not feasible or the submitted requirements are not adequate. If the board approves of the requirements, then a second subcommittee will be created to search for candidate locations and properties based on the requirements put forth in the plan.
3. The search committee presents options to the Board.
4. The Board approves or rejects a location or property. Assuming a suitable option is presented, the Board selects a member to finalize and acquire property or lease.
5. An implementation subcommittee is created to setup the station.
6. A station management committee is created to manage the station. This group would elect a station manager and ratify rules based on the initial station requirements.

The first step in this approach is to assemble several non-board members with one board member to lead the group to determine the station metrics and requirements. Some initial thoughts on areas to research:

What do Members Want — What do members want from a station? General use? To be able to use their own gear? Contesting? Other events?

Region — What are some optimal locations for a station? This should be based on membership demographics, antenna issues, EMI/RFI noise, highways, etc. Are there locations that are 'no-go'? Antenna restrictions will probably vary between commercial and residential properties and certainly play a large role.

Shack Requirements — Is the station setup to serve single users, contests, events? How many hams should be able to operate? How many rooms and what size? What are the minimum requirements on access?

Equipment Requirements — Aside from using existing club equipment, what other things might be needed? What types of antennas might be used both initially and in the long term. Equipment must also include furnishings. The club can also consider donations for some items to reduce capital outlay.



Courtesy URAC — K6AA

Budget — How much will it cost and what is the club willing to absorb? A basic itemized budget should be created with items such as ISP/Utilities, rent/lease, etc. Should there be another level of membership to use the station? If so, what would the member contribution be? What does the membership think?

Risk Assessment — A general risk assessment should be made as well as to cost and other risk issues.

Finally, once the Subcommittee has drafted a report, it should also draft a scoring scheme for evaluating eventual candidate sites.

Many clubs have stations. It could be in the form of shared space, leased office space, a small commercial or residential site. Many years ago, when I was a member of the Civil Air Patrol, our group managed to secure three rooms in a building used by the county my group was in. We had to share the conference room, but the other two rooms became very important to our group and the local squadron I commanded. One of the rooms was our command center and radio room. In that case, the use of the property was donated as well as much of the furniture and the implementation worked out well.

To sum up, for phase one, we are looking for two or three members to join a subcommittee to create metrics and requirements. If you are interested, please contact me at vicepresident@rochesterham.org. I think we can make this work. We have a lot of talent available within the club which, if combined with a little management and determination, should be able to make this a reality. Any suggestions and comments would certainly be appreciated.

CALENDAR OF EVENTS

WEDNESDAY NOVEMBER 7, 2018- RARA Auction

7:00 PM at BSA Headquarters

2320 Brighton Henrietta Town Line Rd

Thursday November 8, 2018- RARA Board of Directors

5:45 PM at Novaworks, 333 Metro Park, F-500

Saturday November 17, 2018- RARA VE Testing

9:45 AM RIT Kate Gleason College of Engineering, Room 9-3139

SATURDAY FEBRUARY 9, 2019—WINTERFEST

Stewart Lodge—Mendon Ponds Park

SATURDAY JUNE 1, 2019—ROCHESTER HAMFEST 2019

RARA BANQUET

Our annual RARA banquet was held on Friday, September 21st at the Burgundy Basin Inn, 1361 Marsh Road in Pittsford. Cocktails and conversation began at 6PM with a cash bar followed by buffet dinner at 7PM.

Our Tuscan Buffet included a carving station serving: Roast Sirloin and Baked Ham.

The buffet featured:

Chicken Parmesan
Mixed Vegetables
Tossed Green Salad, Fresh Fruit Salad and Assorted Seasonal Salads
Rosemary Potatoes
Penne Rigate
Rolls and Butter
Coffee, tea & milk
Dessert

Following dinner the club presented the following awards to deserving RARA members.

- The Public Service award was presented to Brad Allen

KB2CHY. Brad has served the club in many ways but just recently completed a term as our Pumpkin Patrol Captain.

- The Club Service award was presented to John Viggiano NV2K. John recently completed a term as instructor for the Amateur Extra Classes
- Amateur of the Year was awarded to Tim Brown WB2PAY. Tim serves as the RARA educational coordinator and organizes the RARA Academy program.

The cap to the evening's festivities was an entertaining presentation on US Coast Guard Communications by Jim Herbst, KC2KNJ. Jim served in the Coast Guard in Florida and Western New York in a number of roles including electronics technician.

There were 41 RARA members and guests who attended the Banquet and a few of us left with gift certificate raffle prizes from the ARRL.



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November Public Service Update

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

I would like to report on the Fairport Lift Bridge Regatta which was held Sunday September 30th, 2018.



The regatta was held on the beautiful Erie Canal starting from Bushnell's Basin and finishing in the Village of Fairport. The course is approximately 5,500 meters. RARA provided race communications and was the primary Safety Net for this water event. We, Hams, were positioned aboard committee boats, rescue boats, judge's boats, and at a couple of land based points as well. Lunch and drinks were provided to all volunteers. The regatta lasted from 6:00 AM to 2:00 PM. Most of the communications were conducted on 147.51 Simplex. The KB2VZS repeater 146.715 (110.9 PL) was used for volunteer talk-in and as needed during the race. Net control was located in the ARES Van from the Fairport Crew boathouse in close proximity to the race officials.

Our RARA Team Captain for this event is Mark Pedersen KC2UES.

Thanks to all of you who signed up for the Regatta team. This event was very well run and presented a great example of sportsmanship in a family friendly environment! Participants were: KC2UES, AF2M, K2GC, K2CAL, N2WES, WB2PAY, K5KHK, KC2VJU, KC2PCD, KB1POP, KC2NM, Norma Smith (unlicensed). Thanks too to the KB2VZS repeater operators and users for the use of the repeater.

We have learned that the joint RARA, RDXA, and XARC Holiday Science and

Technology Days program for the RMSC will be different this year. In past years, we have presented at the museum on the days following Christmas. This year, we are invited to a one day program on Saturday December 8. We have modified the sign up form on the Public Service section of our website and will put details on the website when we get them.

Remaining events in the 2018 public service calendar are listed in the following table. Visit https://rochesterham.org/public_service.htm for more information and to volunteer.

Pumpkin Patrol	Overpasses of the New York State Thruway	Tuesday & Wednesday	October 30-31
Holiday Science & Technology Day	Rochester Museum & Science Center	Saturday	December 8



Lincon Web

CLUBS

- [Western Carolina Amateur Radio Society](#)
- [North Central Amateur Radio Service](#)
- [Westside Amateur Radio Club](#)
- [NorCal QRP Club](#)

SATELLITES

- [Space Archive](#)
- [UHF-Satcom](#)
- [Zed Zed's Workbench](#)

SDR

- [Radio-Electronics.com](#)
- [Design Spark](#)

GREECE LIBRARY HOW TO FESTIVAL

TIM BROWN, WB2PAY, EDUCATION COORDINATOR

On Saturday, October 13th, RARA was one of 30 participants in a How To Expo at Greece Central Library. Forest Shick, WA2MZG, Jon Dickason, N2JAC and Tim Brown, WB2PAY exhibited several facets of Ham Radio. Forest demonstrated Digital mode FT8 using an Elecraft KX3, Rigblaster and Buddipole antenna. Visitors were impressed at the number of countries we heard. Jon exhibited Fox Hunting equipment along with videos of Balloon Launches, Space Station hams in QSO and Road Rally communications from a speeding Lead Car. Tim chatted up visitors and demonstrated CW to kids and adults. Brochures and handouts from ARRL and RARA were displayed and distributed.



Was this event worth the effort? Visitors were intrigued to learn that Ham Radio is alive and well in this age of smart phones. Jon demonstrated how Ham Radio and smart phones can work together. Jon used a smart phone app to send and decode Morse Code.



One visitor, whose brother is a ham in Indiana, said this Ham Radio demonstration inspires him to get his license. I have added the gentleman to our Education Mailing list and RARA will

support his efforts to get his license.

YES IT WAS WORTH THE EFFORT.



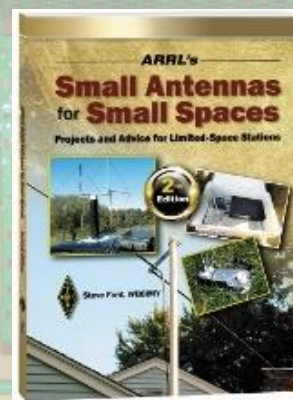
DECEMBER RAFFLE

There will be no raffle in November due to the Members Only Auction.

The next raffle will be at the December meeting. The prizes are pictured below:

- ARRL 2019 Handbook Boxed Set
- ARRL Small Antennas for Small Spaces
- Comet SMA24 2M 70CM antenna

2M/70cm HT
Antenna w/SMA



EDUCATION

TIM BROWN, WB2PAY, EDUCATION COORDINATOR

HAMS HELPING HAMS A NEW Q&A PROGRAM

" I have my license, now what do I do?"
" What antenna should I put up?"
" Who can help me put up an antenna"
" How do I connect my laptop to my radio to do digital?"
" What do I need to do FT8?"

Beginning with the December 5th 2018 RARA meeting, there will be an ELMER available from 6:15 to 6:45 to answer questions and assist with technical advice.

As Education Coordinator, I've been approached during meeting breaks with questions that could not be answered completely with the time available.

To do justice to your questions, we will devote 30 minutes prior to the beginning of the meeting to give your questions the attention they deserve.

At the December premeeting session, Karl Heinz Kremer, K5KHK and Forest Shick, WA2MZG will be available at the BSA in the front glassed in meeting room.

These experienced ELMERS will help you with your questions. If the ELMERS do not have the answer to your question, they will get back to you with the information.

Questions may be submitted ahead of time to education@rochesterham.org.

RARA ACADEMY WORKSHOPS

► ON THE AIR WITH HF — 10/20/2018



The "On the Air with HF" academy session was great fun and we all learned a lot and made a number of contacts. It was good to see new hams as well as those who wanted to brush off the dust get on the air. A wide range of HF rigs were on display and available to make contacts on 20m and 40m. Special thanks to those who helped setup and tear down antennas. Presentation slide are at https://www.rochesterham.org/rara_academy.htm.

► Power Supplies and Battery Technologies— 11/17/2018:

The topics for the November 11th session will include:

- Switching and Linear Power Supplies
- Battery Technologies: SLA, Gel Cell, Lithium Ion
- Characteristics and Uses for Various Technologies
- Charging Systems: Battery Tender, Solar, Power Gate, Battery Boost
- QRP Low Power Sources
- *** Power Pole Connectors
- HV Power Supplies and HV Test Equipment
- SAFETY in All Power Systems
- *** Power Pole connectors may be ordered at the November 7th meeting. 1\$ per pair. 12 gauge Red/Black DC wire may be ordered for \$1 per foot. Orders must be made and paid for by the Nov 7th RARA meeting.
- Power Pole crimp tools will be available during the workshop.

► VHF/UHF Operations— 12/1/2018:

The topics for the December 1st session will include:

- Repeater Operations - FM and Digital Voice Modes
- Internet Links like IRLP and Echolink
- Mobile, Portable, Handheld Shack Considerations
- VHF/UHF SSB Operations and Antenna Options
- Satellite Operations

Latest Academy information is available at https://www.rochesterham.org/rara_academy.htm

Academy Workshops are held at the BSA Headquarters, 2320 Brighton Henrietta Town Line Rd, 10am to noon. You can sign up for Academy Workshops by emailing education@rochesterham.org. If you would like to assist or even create a session, please contact education.

Please take advantage of these RARA sponsored training and operating opportunities.

If you have a topic that you think will interest the membership, drop an email to education@rochesterham.org.

2019 TECHNOLOGY GRANT

RARA will again offer a STEM grant to area schools in 2019.

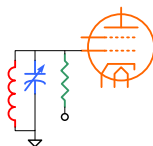
PURPOSE OF THE GRANT

To provide funding for educational projects and specific equipment needs that promote practical applications in the STEM fields of electronics and radio communications with emphasis on youth-based activities.

HOW TO APPLY

See details at

https://www.rochesterham.org/technology_grant.htm



PEAK THE GRID

FOREST SHICK, WA2MZG

At last month's meeting I received the certificate pictured here. I'm not always prepared with spur of the moment Thank You's so here goes. Thank you to the new board for presenting me with this certificate. I am truly honored. Thank you to the previous 2 boards for supporting my efforts as president. And ESPECIALLY, Thank You to our membership for your support and participation. No matter how hard the board and officers work, it's the membership that brings it all together. THANK YOU ALL. I've mentioned this before, I will put it in writing this time – Thank You to Frank Schramm, WB2PYD and Anand Choudri, KC2KPG, for being my advisors and moral support for the last 2 years.



Are you familiar with the saying – Don't pat yourself on the back too hard, you might break your arm? Well, with that in mind, I will proceed.

As editor of the RAG, I received the following email shortly after the October issue was distributed.

"I greatly admire your newsletter, The Ra-Ra Rag. Very easy to keep reading to the last page. I'm Garland, TX ARC editor of The ARCLITE, so I will make some changes to the next issue based on your layout."

The point I am trying to make is that things happen, we do things, we help others, a thank you is exchanged but no one else knows.

Someone else should know!

Let me suggest that it would be a fantastic section in the RAG or at a monthly meeting to say thank you to someone who helped you in some way. No matter how shy you are, and you can't be too shy if you are a ham, having your good deeds acknowledged or acknowledging someone's good deeds is a very worthwhile feeling.

Finally, October was the first month in the last 2 years that I was able to sit in the audience. What a different feeling. It has been suggested that we are like a bunch of little islands (my words) – have our own groups and don't reach outside the boundary of our group. I experienced it.

I was sitting with a few other people in the back of the room and I was so wrapped up in my own thoughts that I failed to acknowledge or even talk to the people around me (I wonder how many of you have that experience).

One gentleman was a new member of RARA, taking the Tech course, he made an effort to reach out and introduce himself. I was so wrapped up in thoughts about the raffle and the Greece Library event (both less important than making a new friend), I said Hi to the gentleman and then got lost again in my thoughts.

I will do my best to never do that again!

Then there was the gentleman that was discussing the new version of FT8. I should have run over and sat next to him to discuss it further.

Making a new friend is the most important thing you can do. Reaching out to or acknowledging that someone is reaching out to you should be an honor and a duty. That's what ham radio is all about – making new friends all around the world – why not in the seat next to you.

May I suggest that at each RARA meeting or event, while you are comfortable with your friends, reach outside your island and include the person near you. Maybe, just maybe, they will reach out to you and include you in their island.

CQ CQ CQ PARKS ON THE AIR

KARL HEINZ KREMER, K5KHK

Have you heard about POTA - or Parks on the Air?



You may remember last year's ARRL National Parks on the Air (NPOTA) program - POTA is different and unrelated. As parks count all national and state parks, and the site for the US version of the program lists all parks in the US and Canada that qualify. Check it out at <http://parksontheair.com>

The idea is simple: Bring your radio gear within a park and make contacts from that park. A suc-



Successful activation counts for the activator, and the hunters or chasers get a point for each contact they make. There is of course a leader board and it's all about climbing up towards the top (or getting on the board in the first place). As of today (9/12/2018), the leading activator (N4CD) has 659 activations of 553 different parks, the leading hunter (W8ZST) has 2680 contacts in 1280 different parks.

I don't have any ambitions to get even close to the numbers.

So far, I've tried to activate three parks, and only my last attempt was successful. My first attempt was at Hamlin

Beach State Park (K-2068), and resulted in zero contacts - I blame QRP power and the bottom of the sunspot cycle. My second attempt was the Adirondacks State Park (K-2001) at the side of McCauley Mountain - I ended up with 4, 1 and 1 contacts on three different days. This time, I blamed the wrong side of the mountain and the bottom of the sunspot cycle. Then, my third attempt was at Southwick Beach State Park (K-2142) at the east end of Lake Ontario. To qualify for a successful activation, the activator needs ten contacts within the 24 hours of one UTC day (or 8pm to 7:59:59pm the follow-



ing day EDT). I logged six contacts on the first day, and ten on the second. This means that I've finally joined the club of POTA activators.

Anybody can start to collect points as a hunter by answering a CQ call from one of the park activators. The "POTA Spotting" page at <http://pota.us> lists all current spots:

Just tune your radio to one of the listed frequencies and listen for the activator. As a

hunter, you don't log your contact with the POTA organization, you get credit when the activator submits the log. That's also the reason why a failed activation log still gets submitted - the hunters still get credit, even though the activator does not.



Sometimes things don't go quite as planned: During the first day of my Southwick Beach activation, I had to deal with strong winds, and had to put my antenna up a few more times than I hoped for.

All my contacts at Southwick Beach were made on 40m with my BitX QRP rig, which puts out between 5 and 7W,

using the tri-band antenna described in my other article in the October Rag. It is possible to make contacts with QRP power, even at the bottom of the solar cycle, it just takes a lot more work.



Active POTA Spots

Spots are grouped by Activator, with most recent spot displayed.
Button clicks will show recent history.

Spots expire after 120 minutes

POTA Main

New Spot

Current Time: 2018-09-12 18:53:09

UTC	Activator	Frequency	Reference	Spotter
18:45:21	N8XX ↗	14041	K-4552	WASKBH ↗
Loc: US-NM Comment:				
18:38:06	KG6LI ↗	14044.0	K-4454	W5JWD
Loc: US-CA Comment:				
17:37:33	AISP ↗	14244	K-4408	KK5VG
Loc: US-CO Comment: POTA K-4408				

↗ indicates a callsign registered with POTA

Display a menu

XRX Fox Hunt Report

BOB KARZ, K2OID

We had a quite successful Fox Hunt Saturday morning Oct. 13. The hunt started on schedule at the Webster Recreation parking lot (formerly the Xerox Recreation Association). Despite overnight rain and the dire forecast for more, the weather was quite acceptable with no rain and even a little sun towards the end of the hunt. We had four teams participating. The foxes were along the Birdsong Trail just north of North Ponds Park, in the Phillips Road Baseball Park, in the Basket Road Baseball Park, and in the goal at the northern most soccer field in Kent Park.

The hunt masters expected that the baseball fields would prove difficult because they are little known parks not on many maps and also because there is only one relatively inconspicuous entrance to each. That is not how things worked out.

The most difficult fox to find turned out to be in the soccer goal. Most hunters searched first in the adjacent arboretum which is not connected to Kent Park. Once in Kent Park, having the fox in plain sight in the middle of the field seems to have confused several hunters who were convinced that it had to be along the tree line.

The hunt was scheduled to end at 11:30 but was extended to 12:30 to allow more teams to find all four foxes which three teams did.

After the hunt we assembled for lunch at Mama Lor's Cafe on Old Ridge Rd at the corner of County Line Rd where awards were distributed.

The first team to each fox received 10 points, the second team 9 points, etc. The winners were:

- First Place with a score of 38 points - Ned Asam (W2NED), Vince Burolla (W2VAB), and Gregory Asam
- Second Place with a score of 37 points - John Cece (N2XV), Alex Ceci (KD2SVT), and Brian Donovan (K2AS)
- Third Place with a score of 33 points - Paul Kurrasch, KC2GTO

The next hunt will be next Spring with the first place winners as hunt masters.

73 and hope you can join the next hunt,

Silent Key

Richard Matina
N2YFA
October 1, 2018

Silent Key

R. Alan Reddy
WA2ZWO
September 7, 2018

JOTA 2018

Stephen Fell, K2SRF

I would like to thank the following hams for their participation in the 2018 JOTA event at Babcock Hovey on Saturday 10/20/2018.

DAVID C REUSSO	KC2DQS
WESLEY MAYNARD	N2WES
MIKE MOORE	KC2NM
JOHN WERNER	KC2TNO
ZACH WERNER	KC2VCM
MARK PEDERSEN	KC2UES

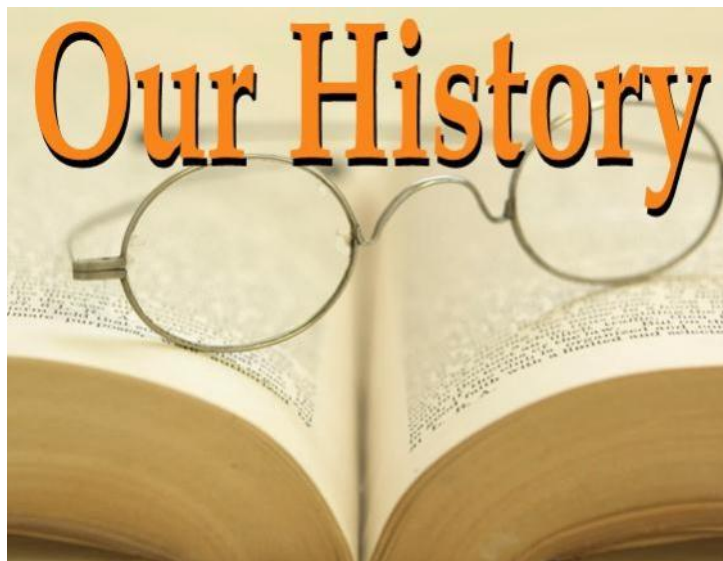
RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN



40 Years Ago, November 1978

This issue reminded members to attend yet another November RARA Ham Auction with familiar auctioneers Ed Gable K2MP and Alan Komenski AC2K. Auctions at this time were held at the Police and Fire Academy on Scottsville Road. The Rochester VHF Group published a detailed report on the kick off of their VHF/UHF transverter project header by program manager Floyd Koontz WA2WVL. This ambitious activity resulted in the manufacture of 178 high performance transverters at a fraction of big box prices. The popularity of this successful club event, easily the largest of any previous area club projects, brought many others including a 40 watt PA, a matching power supply and by Fred Cupp W2DUC; 220 and 432 yagi antennas. The Board of Directors announced the appointment of James O'Brien K2UDP, as RARA's Director of Public Relations. Jim, who was a manager within the Rochester Chamber of Commerce and the former Manager of the Heath Electronic Center in Henrietta, was well suited for the job. In a large page one proclamation, RARA congratulated WR2AEI, Rochester's 28/88 repeater, and specifically Charlie Mills K2LDU, on ten years of operation and service to the Amateur community. An exciting announcement told of Irv Goodman AF2K and Russ McKay WA2CBU, and their departure to Gibraltar for a mini-DXpedition. At press time they did not have their ZB2xx call signs. In response to a QST article on ham radio information being available for visually handicapped hams, Virgil DuMond WB2FGY, headed a group with Ray Pickens WA2MYG, and Stew Bowden WA2SYR, who put ARRL information on cassette tapes and Braille for those in need. Bill Gillette WB2KIW, writing for the Rochester Radio Repeater Association, told of their recent program that brought Bob Crumrine WB2DNN and Gerry Gietbohl K2VFR, who spoke on recent OSCAR news. From the Want Ads was a STOLEN alert where Rich WD9HIG, was looking for his stolen Wilson 1402 HT. A commercial advertiser was Harvey's Ham, of Caledonia, selling new and used ham gear.



20 Years Ago, November 1998

This issue reminded members to attend yet another November RARA Ham Auction with familiar auctioneers Dick Goslee K2VCZ and Ed Gable K2MP. In his program write up, V-P Bob Moore N2USB, took this opportunity to thank and acknowledge Brad Allen KB2CHY, for his twenty plus years of providing expert audio services for this and many RARA events. Lloyd Caves WB2EFU, in his column called "Rag Chew," reported on the RARA Board of Directors effort to keep both new and older Amateur members active in local ham events as well as to use their licenses and get on-the-air. Lloyd mentioned the ARRL Radio Coaches initiatives and other similar programs. He also touched upon the change in interest of the then newer members. Gone are the camping trips, the very popular Valentines Dinner Dance, the winter picnics, an effective club station and even the large gatherings for the annual ARRL Field Day. Is this a bad thing or a telling

story of the natural changes in society's interest? Such was the Board's dilemma as they faced Y2K. A new column was displayed herein penned by Bill Hopkins AA2YV. He titled his work "Reflections" with this month reflecting on new hams with new tickets and old gear. Well done. Bill still writes similar articles, based on vintage gear, for AWA publications and his writing receives international acclaim. David Selbert KA2BOK, continued his DX column and the exploits of his visiting friend Mit SP9EML. An interesting story was Mit's adventure at a recent Rochester Hamfest flea market, where he purchased 40 kilos of used ham gear to ship back to Poland. Reported in these pages was the demise of the well-known and well used FCC form 610, being replaced by the FCC Universal Licensing System. Keith Freeberg N2BEL, wrote to inform all readers on the results of the just completed "Walk for Diabetes" where fifteen local hams contributed skillful and much needed event communications. With regret it was reported that Carl Guildenschuch KA2IXV, was reported as a Silent Key. From the Want Ads you could buy a Collins KWM-380 and Alpha 374 Linear, if you had four-thousand dollars, from Al Dobbs. Glenwood Sales, of 594 Hague Street, remained a long time commercial advertiser and a surplus parts supplier to area hams.

VE TEAM

The next **ALWAYS FREE** testing session:
 Saturday November 17th (third Saturday)
 Rochester Institute of Technology
 Kate Gleason College of Engineering
 Gleason School of Engineering
 Room 3139, Bldg. 9
 Use "J" parking lot

Registration at 9:45AM
 Testing at 10:00AM

You do not have to preregister.

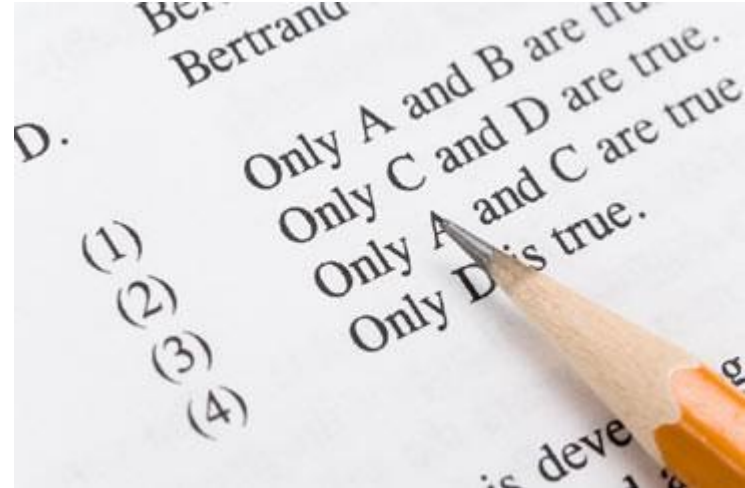
To avoid giving your SSN go to:

<http://wireless.fcc.gov/uls/index.htm?job=home>
 Register and bring the resultant FRN.

For more info:

<https://www.laurelvec.com/?team=RARA>

Don Kiser - AC2EV
 RARA Board member
 VE Team Leader
 585-613-1035



Harry Hoffman	KA2ENE	E	Seth Weith-Glushko	KD2QPI	T
Timothy Kemnitz	KD2QPO	T	Denis Sanchez	KD2QPJ	T
Christopher Griggs	KD2QPK	T	Jeffery Feeter	KD2QPL	G
F Scott Cicora	N3ICY	G	Douglas Howard	KC2KHN	G
Leo Proctor	AC2XZ	E	Arthur North	KD2QPS	G
James Schueckler	KD2QPH	G	Tyler Eaton	KD2QPM	T
Geoffrey Hunt	KD2QPN	T	Frank Armstrong	KA2WLT	T
Voicu Nicorici	KD2QPO	T	Roger Van Patten	KD2QPP	T
Kelly Cheung	KD2QPR	T			

New licensees names are in BOLD

RaRa CALENDAR

Tim Barrett, K9VB

November 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 ARES Net 146.61 MHz 7pm NRAU 10M Contest SKCC Sprint Europe NCCC Sprint	2 Jakarta RTTY Contest	3 AWA Museum Open 1pm - 5pm Ukrainian DX Contest IPARC Contest, CW ARRL Sweepstakes, CW
4 Ukrainian DX Contest ARRL Sweepstakes, CW IPARC Contest, SSB EANET Sprint	5 ARS Spartan Sprint	6 Phone Fray	7 RaRa Annual Auction, BSA HQ, Brighton Henrietta TLR ROC City Net 8:00pm 3.826 MHz UKEICC 80M Contest	8 RaRa BoD Meeting 5:45pm Nova-works 333 Metro Park Rochester 14623 ARES Net 146.61 MHz 7pm NCCC Sprint	9 WAE DX Contest, RTTY	10 AWA Museum Open 1pm - 5pm WAE DX Contest, RTTY PODXS 070 Club Low Band Sprint 10-10 Fall Contest, Digital JIDX Phone Contest OK/OM DX Contest, CW AWA 1929 Bruce Kelley QSO Party
11 WAE DX Contest, RTTY PODXS 070 Club Low Band Sprint 10-10 Fall Contest, Digital JIDX Phone Contest OK/OM DX Contest, CW AWA 1929 Bruce Kelley QSO Party	12 RSGB 80M Autumn Series, Data	13 Phone Fray	14 ROC City Net 8:00pm 3.826 MHz	15 Monroe Cty ARES 6pm, Red Cross Center, Prince St NCCC Sprint	16 YO PSK31 Contest	17 RaRa Academy – Power Supplies and Battery Technology AWA Museum Open 1pm - 5pm AWA 1929 Bruce Kelley QSO Party SARL Field Day LZ DX Contest All Austria Top Band Contest RSGB Top Band, CW ARRL Sweepstakes, SSB
18 AWA 1929 Bruce Kelley QSO Party SARL Field Day LZ DX Contest All Austria Top Band Contest ARRL Sweepstakes, SSB	19	20 SIARC 7.30pm RDXA 7.30pm Phone Fray	21 ROC City Net 8:00pm 3.826 MHz	22 ARES Net 146.61 MHz 7pm NCCC Sprint	23 CQ WW DX Contest, CW	24 AWA Museum Open 1pm - 5pm CQ WW DX Contest, CW ARRL EME Contest
25 CQ WW DX Contest, CW ARRL EME Contest	26	27 Phone Fray	28 ROC City Net 8:00pm 3.826 MHz UKEICC 80M Contest	29 ARES Net 146.61 MHz 7pm NCCC Sprint RSGB 80M Autumn Series, CW	30 ARRL 160M Contest	

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES News

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend.



There are 2 changes to accommodate the Holiday season:

- The November meeting will be held on November 15.
- There will not be a meeting in December.

The next ARES Meeting will be held on: **Thursday, November 15, 2018, at 6:00 PM.**

Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

ARES NET: Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountymcomm.org

Severe Weather Alerts:

Winter brings severe weather in the form of heavy snow and strong winds. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads)

NBEMS: Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2019.

ROCHESTER DX ASSOCIATION, RDXA

RDXA meets the 3rd Tuesday of every month (September through May) except for December, which is the Annual Holiday Banquet. Meetings are open to everyone and all are encouraged to attend. The next meeting is Tuesday November 20, 2018



Meetings are held at the Monroe County EOC 1190 Scottsville Rd. (second floor), Rochester, NY 14624 at 7:30PM.

ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRRA, invites you to attend its November 16th 2018 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 pm. November's meeting is our annual Tune Up Clinic. Bring your radio and we will check its performance and make adjustments if necessary. Experts on hand will be Bob Shewell, Technical Chairman, and Bob O'Dell. We will supply the test equipment and the tools. If you think your radio needs adjustments please help us with info on your radio.

The RRRRA current officers are Bob Odell, N2BZX President, Bob Shewell, N2HJD Vice President / Technical Chairman, ED Wilkonski, K1EM Secretary, and Bob Smith, NS2B Treasurer / Membership Chairman. RRRRA also accepts donations to the club. If you are not currently a member and want to support RRRRA, you can join at our monthly meeting or on our web site www.k2rra.org

ROCHESTER VHF GROUP

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting www.rvhfg.org or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club will have their next meeting at 6PM on Thursday November 8th at the Webster Recreation Center. Look for details on our website <http://xarc.us>

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Town and Country Fire Department on Gardner Rd in Horseheads New York. Chemung County ARES (CCARES) meets the first Tuesday of the month except February at Harris Hill. See www.ccares.info for details. CCARES covers the entire area in Chemung, Schuyler and Steuben counties and all are welcome.

The final figures on the Hamfest won't be known for a few days yet however all indications are that it was a successful event. It was good to see so many of you at the event that day. Thanks to all of you who came to our event. Hope everything went well for you.

With the Wineglass Marathon the very next day meant a very stressful week for us. The weather was great for the runners (except for the rain) nice and cool. It was a fairly uneventful day but as all marathons go it was a long day.

No special events lined up for the remainder of the year but we're keeping our ears and eyes open for whatever may happen.

Communicators are needed to help out with the 2019 Wineglass Marathon (date to be announced) . If you would like to help out, contact the emergency coordinator: emergencycoordinator@stny.rr.com .

2019 Hamfest will be the last Saturday of September 2019. Stay tuned for details

Our website is still under construction. It is anticipated that construction will continue until after the Hamfest. Until that is finished check us out at www.arast.info .

Don't forget to check out our repeaters when you visit the area. The N3AQ 147.36(+) and the 146.70(-) are the principal 2 meter repeaters. Also Echolink is available using the call sign KA2BED-R. Check it out. A full list of available repeaters that can be heard in the twin tiers area surrounding Chemung County can be found at www.arst.info/arast_website/public/repeaters.php .

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refresher period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in! Take a look at the club website for more info: www.k2srv.org

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communications modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and public [DSTAR hotspots](#) (using the dvprtr board), Yaesu fusion systems on non-club repeaters and DMR. The last mode is being enjoyed locally through a [DV-Mega-Raspberry PI](#) combination. DCAP meets for breakfast at 7AM nearly every Saturday morning at [Rikki's Family Restaurant](#) in Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715 MHz with a PL of 110.9 Hz.

GENESEE VALLEY AMATEUR RADIO ASSOCIATION

2018 Meeting and Testing Schedule

Location -
Brick Presbyterian Church
6 Church St.
Perry, NY 14530

Email n3dsp@lafireline.net for details.

KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

The purpose of our association is to:

- promote interest in Amateur Radio communication and advancement of the radio art.
- conduct programs, training, and exercises that enhance the skills of the members, and educate the community.
- develop ties with other services and establish relationships with community organizations.
- provide emergency communication services.
- promote enjoyable Amateur Radio related events.

The association was incorporated in 1991 and has been a vibrant part of the community ever since. We have a very active VE testing program. We also participate in numerous public events (the Wineglass Marathon and the Wine Country Classic Boat Regatta are two of the largest).

We operate a system of three repeaters (which are linked), providing a large area footprint for two meter FM amateur use. Please see our website for details. (www.klara.us)

Our meetings are held on the second Wednesday of each month at the Civil Defense and Fire Training Center on Route 54 in Bath, NY.

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be Wednesday, November 14th. There will be license Exams this month. 73's Steve Benton VP SIARC WB2VMR

WESTSIDE AMATEUR RADIO CLUB

The mission of the Westside Amateur Radio Club is to provide emergency communications services to the community, to assist other civic organizations, to promote the technical craft of amateur radio through class training and testing, to mentor new members, and enhance fellowship among radio amateurs.

The Westside Amateur Radio Club meets on the first Tuesday of the month, 7PM, at the Prudential Kares Realty, 3313 Chili Ave., Rochester, NY 14624. Park / enter on the left side of the building and meet in the lobby.

The talk in repeater for all meetings is the WR2AHL Repeater 146.760MHz - 110.9. AllStar, Echolink, and web streaming connections are available. Website: <http://WestsideAmateurRadio.club>

INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Interlock Rochester is open most every Tuesday night at 7pm. We're in the Hungerford Building (1115 East Main Street, Rochester NY), just north of Village Gate. Come to Door #7 (to the left of Comics Etc) and buzz Suite 200. Want to know more? Visit our website at <http://www.interlockroc.org/>, contact us at info@interlockroc.org, or find us in #interlock on Freenode IRC.

ROCHESTER MAKERSPACE

The Rochester Makerspace is located at the rear of 850 St. Paul Street in almost 4,000 square feet of workspace. We are a volunteer-run 501c(3) nonprofit organization and our mission is to encourage learning, creativity and collaboration. We do that by providing low-cost and free access to sophisticated tools, offering a wide variety of classes, and by providing opportunities for "makers," artists and crafts persons of all kinds to meet and learn from each other.

Drop in to explore, learn and make at our weekly open house:
Every Thursday Night, 6 to 10 PM – Weekly Community Night & Open House
Every Saturday, 11 AM to 3 PM – Weekly Community & Open House
Park in the lot at Scrantom St. and Conkey Ave. and follow the signs.

A ham bench is set up with a 2 meter FM radio and a laptop with WebSDR. Waiting for nicer weather to install outside antennas for the Heathkit HW101 transceiver and Kenwood all mode 2 meter transceiver. Donations of ham equipment accepted.

For more information visit <https://www.makerspacerochester.org/hamradio>

ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

For more information visit <http://www.rochesterastronomy.org/>

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

RARA MARKETPLACE

Your commercial ad could be here! The RARA RAG can help spread the word on your business at very reasonable rates.
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Ad size and cost—**per year**:

Business Card	\$140
Quarter Page	\$300
Half Page	\$600

Your advertisement will be seen by amateurs in Rochester, Monroe County, New York State, the United States and even the rest of the world. RAG circulation is approx. 4,500.

Pass it forward
by donating your radio
or accessory to RARA.



Your item may be sold at future RARA events with proceeds to benefit RARA members.

You will get a tax-deductible receipt and the satisfaction that comes with doing good for others.

Call 585-210-8910 or email
Secretary@RochesterHam.org.

RARA is an IRS 501.c.3 non-profit

Consult with your tax advisor.

RARA OFFICERS, DIRECTORS AND COORDINATORS

OFFICERS

President: Tim Guyot, KB1POP	(585) 406-3163	timguyot@gmail.com	Treasurer: Brian O'Connor, KA2CGB	(585) 721-2346	ka2cgb@arrl.net
Vice-President: Scott Theis, W2LW	(845) 774-9809	sa_theis@hotmail.com	Secretary: Ralph Dutcher, KD2BDZ	(585) 738-9949	dutchr@gmail.com

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James Burroughs, KN4LSL		jebsar1@yahoo.com	Mike Moore, KC2NM	(585) 721-0011	mikemoore@ieee.org

ACTIVITY COORDINATORS

Club Historian	Ed Gable, K2MP	egable@rochester.rr.com	Public Service	Mike Moore, KC2NM	mikemoore@ieee.org
Club Station Trustee	Jim DiTucci, N2IXD	n2ixd@arrl.net	Raffle Administrator	Forest Shick, WA2MZG	wa2mzg@arrl.net
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Membership Secretary	Tim Barrett, K9VB	tim.k9vb@gmail.com	Webmaster	Scott Theis, W2LW	webmaster@rochesterham.org

DECEMBER RAG DEADLINE

NOVEMBER 15, 2018



**RARA meets at 7PM on the
first **Wednesday** of each month. Join
us at:**

Seneca Waterways Council, BSA Headquarters
2320 Brighton Henrietta Town Line Rd
Rochester, New York 14623

Get Directions

Rochester Area Repeater Listing

THE RARA RAG

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P.O. Box 93333, Rochester, NY, 14692-8333
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Website – <http://www.rochesterham.org>

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Community Amateur Radio Club (CARC)
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Digital Communications Association of Perinton (DCAP)
Gary Skuse, KA1NJL: ka1njl@arri.net

Drumlins Amateur Radio Club Ltd. (DARC)
Alan Cook, K2MPE: alancook948@gmail.com

Fisherman's Net Amateur Radio Club
Jim Sutton, N2OPS: jim@otrym.org

Genesee Valley Amateur Radio Assn.
Bill Boyd, N3DSP: N3DSP@lafireline.net

Keuka Lake Amateur Radio Association (KLARA)
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Monroe County ARES
Jim DiTucci, N2IXD: n2ixd@arri.net

Orleans County Amateur Radio Club (OCARC)
Terry Cook, K2EYS: k2eys@ocarc.us

Rochester Amateur Radio Association (RARA)
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ROC City Net
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XXR Amateur Radio Club
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